

Nur für Forschungszwecke

YTHDF1 Polyklonaler Antikörper

Katalog-Nr.:17479-1-AP

Vorgestelltes Produkt

163 Publikationen



Allgemeine Informationen

Katalog-Nr.:
17479-1-AP

Größe:
150ul, Konzentration: 500 µg/ml von
Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG11509

GenBank-Zugangsnummer:
BC050284

GeneID (NCBI):
54915

Vollständiger Name:
YTH domain family, member 1

Berechnete Masse:
559 aa, 61 kDa

Beobachtete Masse:
60 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:1000-1:8000

IP 0.5-4.0 µg für IP und 1:500-1:2000

für WB

IHC 1:250-1:1000

IF 1:200-1:800

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, FC, IF, IHC, IP, RIP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Affe, Hausschwein, Huhn, Human, Maus, Ratte,
Zebrafisch

Positivkontrollen:

WB : HeLa-Zellen, A549-Zellen, HEK-293-Zellen,
HepG2-Zellen, Jurkat-Zellen, Maushirngewebe, MCF-7-
Zellen, Rattenhirngewebe

IP : Maushirngewebe,

IHC : humanes Nierengewebe, humanes
Hypothalamus-Gewebe

IF : Maushirngewebe,

**Hinweis-IHC: Antigendemaskierung mit TE-
Puffer pH 9,0 empfohlen. (*) Wahlweise
kann die Antigendemaskierung auch mit
Citratpuffer pH 6,0 erfolgen.**

Hintergrundinformationen

YTHDF1, also named YTH domain-containing family protein 1 or C20orf21, is a 559 amino acid protein, which localizes in the cytoplasm. YTHDF1 specifically recognizes and binds N6-methyladenosine (m6A)-containing mRNAs, and promotes mRNA translation efficiency. m6A is a modification present at the internal sites of mRNAs and some non-coding RNAs and plays a role in the efficiency of mRNA splicing, processing, and stability. YTHDF1 acts as a regulator of mRNA translation efficiency: promotes ribosome loading to m6A-containing mRNAs and interacts with translation initiation factors eIF3 (EIF3A or EIF3B) to facilitate translation initiation. YTHDF1 exists two isoforms and the calculated molecular weight of isoforms are 61 kDa and 21 kDa.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Fanpeng Zhao	34593014	Mol Neurodegener	WB,IHC
Kusuma Suphakhong	36183833	J Biol Chem	WB
Bin Zhang	32964498	Neurochem Res	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

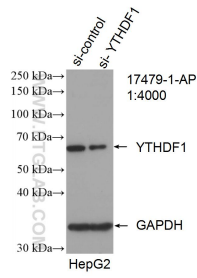
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

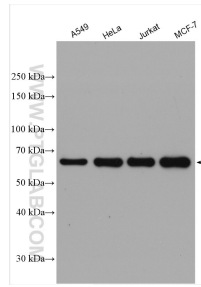
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

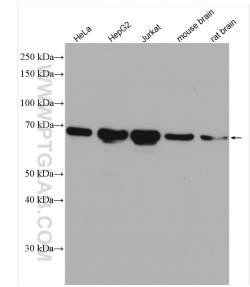
Ausgewählte Validierungsdaten



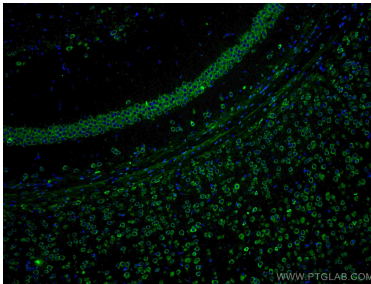
WB result of YTHDF1 antibody (17479-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-YTHDF1 transfected HepG2 cells.



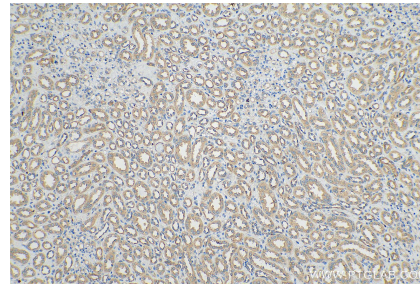
A549 cells were subjected to SDS PAGE followed by western blot with 17479-1-AP (YTHDF1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



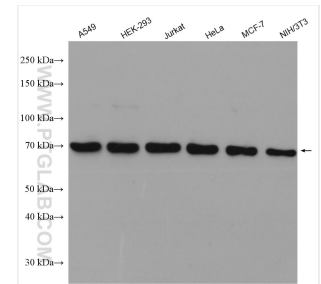
Various lysates were subjected to SDS PAGE followed by western blot with 17479-1-AP (YTHDF1 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



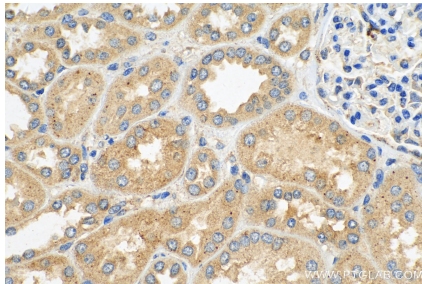
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using YTHDF1 antibody (17479-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



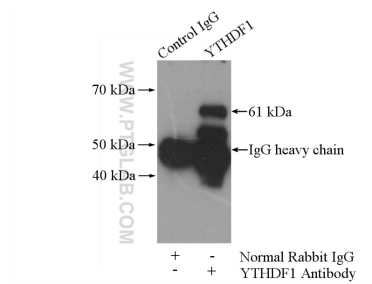
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17479-1-AP (YTHDF1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 17479-1-AP (YTHDF1 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 17479-1-AP (YTHDF1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-YTHDF1 (IP:17479-1-AP, 4ug; Detection:17479-1-AP 1:1000) with mouse brain tissue lysate 2640ug.